

Title (en)
PROCESS FOR THE FABRICATION OF A LITHIUM SECONDARY BATTERY

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER LITHIUM-SEKUNDÄRBATTERIE

Title (fr)
PROCÉDÉ DE FABRICATION D'UNE BATTERIE SECONDAIRE AU LITHIUM

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Application
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Abstract (en)
[origin: WO2008100090A1] This invention relates to a method of fabricating a lithium secondary battery, which improves charge-discharge characteristics, lifespan, and temperature characteristics of the battery and which includes interposing a separator between a positive electrode plate and a negative electrode plate, thus manufacturing an electrode assembly; housing the electrode assembly in a battery case, introducing an additive-containing electrolytic solution, and then sealing the battery case; subjecting the sealed battery case to pre-charging, and then removing gas generated by the pre-charging; and subjecting the battery case to formation, wherein the additive is one or more selected from among LiF₂BC₂O₄, 3,9-divinyl-2,4,8,10-tetraoxaspiro [5,5]undecane, LiBC(C₂O₄)₂, poly(ethyleneglycol)borate and derivatives thereof, halogen- substituted carbonate, and vinyl silane, and the pre-charging is conducted in a range of 50~100% of a battery capacity.

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